

Serial No.: 09/586,410

Attorney Docket No.: 2000P07661US

**IN THE CLAIMS:**

This listing of the claims will replace all prior versions and listings of the claims in the application:

1. (Currently Amended) A system, comprising:

a translator adapted to translate between extended grammar constructs of a machine readable language and basic grammar constructs of said machine readable language, said machine readable language being ASN.1, wherein a translation comprises reading a source file containing extended grammar constructs, performing a lookup table conversion of said source file of extended grammar constructs into a basic source file containing only basic grammar constructs, said translator configured to implement multiple configurable levels of precompilation; and

a compiler coupled to receive an output of said translator for compiling code written in said basic grammar constructs, wherein said compiler generates executable code implementing a function of the extended grammar constructs as compiled basic grammar constructs;

wherein said translation comprises a direct conversion from said source file to said basic source file.

2. Canceled

3. (Previously Presented) A system in accordance with claim 1, said basic grammar constructs comprising X.680 grammar constructs.

4. (Original) A system in accordance with claim 3, said extended grammar constructs comprising at least one of X.681, X.682, or X.683 grammar constructs.

5. (Original) A system in accordance with claim 4, said translator comprising one or more lookup tables.

Serial No.: 09/586,410

Attorney Docket No.: 2000P07661US

6. (Currently Amended) A method, comprising:

providing a first source file, said first source file including extended grammar constructs of a machine readable language;

translating said first source file into a second source file, said second source file containing only basic grammar constructs of said machine readable language, said machine readable language being ASN.1, wherein a translation comprises reading a source file containing extended grammar constructs, performing a lookup table conversion of said source file of extended grammar constructs into a basic source file containing only basic grammar constructs, said translating including selecting from multiple configurable levels of precompilation; and

compiling said second source file using a compiler adapted to compile basic grammar constructs wherein said compiler generates executable code implementing a function of the extended grammar constructs as compiled basic grammar constructs;

wherein said translation comprises a direct conversion from said source file to said basic source file

7. Canceled

8. (Previously Presented) A method in accordance with claim 6, said first source file comprising at least one of X.681, X.682, or X.683 grammar constructs.

9. (Original) A method in accordance with claim 8, said second source file comprising X.680 grammar constructs.

10. (Original) A method in accordance with claim 9, said translating comprising accessing a lookup table for equivalent constructs.

11. (Currently Amended) A method, comprising:

providing a translator adapted to translate between extended grammar

Serial No.: 09/586,410

Attorney Docket No.: 2000P07661US

constructs of a machine readable language and basic grammar constructs of said machine readable language, said machine readable language being ASN.1, wherein a translation comprises reading a source file containing extended grammar constructs, performing a lookup table conversion of said source file of extended grammar constructs into a basic source file containing only basic grammar constructs, said translator configured to implement multiple configurable levels of precompilation; and providing a compiler coupled to receive an output of said translator for compiling code written in said basic grammar constructs wherein said compiler generates executable code implementing a function of the extended grammar constructs as compiled basic grammar constructs;

wherein said translation comprises a direct conversion from said source file to said basic source file.

12. Canceled

13. (Previously Presented) A method in accordance with claim 11, said basic grammar constructs comprising X.680 grammar constructs.

14. (Original) A method in accordance with claim 13, said extended grammar constructs comprising at least one of X.681, X.682, or X.683 grammar constructs.

15. (Original) A method in accordance with claim 14, said translator comprising one or more lookup tables.

16. (Currently Amended) A computer-readable computer program product, comprising:

computer-readable program code adapted to receive and translate extended grammar constructs of a computer-readable program language into basic grammar constructs of said computer-readable program language for output to a compiler of program code written in said basic grammar constructs, said computer-readable

Serial No.: 09/586,410

Attorney Docket No.: 2000P07661US

program language being ASN.1, wherein a translation comprises reading a source file containing extended grammar constructs, performing a lookup table conversion of said source file of extended grammar constructs into a basic source file containing only basic grammar constructs, said computer-readable program code configured to implement multiple configurable levels of precompilation;

wherein said computer-readable program code is adapted to translate said extended grammar constructs into said basic grammar constructs by using one or more lookup tables;

wherein said compiler generates executable code implementing a function of the extended grammar constructs as compiled basic grammar constructs;

wherein said translation comprises a direct conversion from said source file to said basic source file.

17. Canceled

18. (Original) A computer-readable computer program product of claim 16, wherein said basic grammar constructs comprise X.680 grammar constructs, and wherein said extended grammar constructs comprise at least one of X.68x grammar constructs (where x is greater than or equal to 1).